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does not think he is expressing too heretical an opinion when he doubts the great importance of this region in the primary classification of the reptiles. The grouping of the reptiles into two subclasses, the Diapsida and Synapsida, based chiefly upon the temporal structure, is rejected by most students of the reptiles, and the very aberrant structure of this region in the pelycosaurs, especially the presence of a "prosquamosal" bone, rather shakes one's faith. However, we are not quarrelling with the author for not going into these doubtful discussions. He has, what is better, given us excellent material for future philosophizing in his full and lucid descriptions and many illustrations.

S. W. WILLISTON.

The Conrad Fissure.¹—Mr. Brown has given us in this paper an excellent critical and descriptive list, well illustrated, of a very important pleistocene bone deposit, especially interesting as located in the southwest. The material, for the most part collected, and it need not be said skillfully collected by the author, is abundant, including seven species of insectivores, two of bats, nineteen of carnivores, as many of rodents, and nine of ungulates, together with several of amphibians and reptiles. Of these he describes a new twenty species and two genera, the more noteworthy of the new genera being one of a new type of saber-toothed cats. Conspicuous for their absence are remains of the large edentates and of the proboscideans, from which the author is inclined to the belief that the former, at least, were not then in existence in North America. That some of the sloths were in existence in South America at that period is more than probable, if we take into account *Gryphotherium*, and the same logic would exclude the proboscideans from the fauna, which is not at all probable. He also concludes that the fauna was boreal, as indeed would be indicated by the remains of musk oxen. The paper is a valuable addition to our faunal pleistocene literature.

S. W. WILLISTON.

The Ankylosauridae.¹—Mr. Brown has given us a rather startling restoration of what he believed to be a new family of

¹Brown, Barnum. The Conrad Fissure, A Pleistocene Bone Deposit in Northern Arkansas, with Descriptions of Two New Genera, and Twenty New Species of Mammals. *Mém. Amer. Mus. Nat. Hist.*, IX, pp. 157-208, pls. XXIV, XXV, 1908.

¹Brown, Barnum. The Ankylosauridae, A New Family of Dinosaurs from the Upper Cretaceous. *Bulletin of the American Museum Nat. Hist.*, X, XXIV, pp. 187-201, 1908.